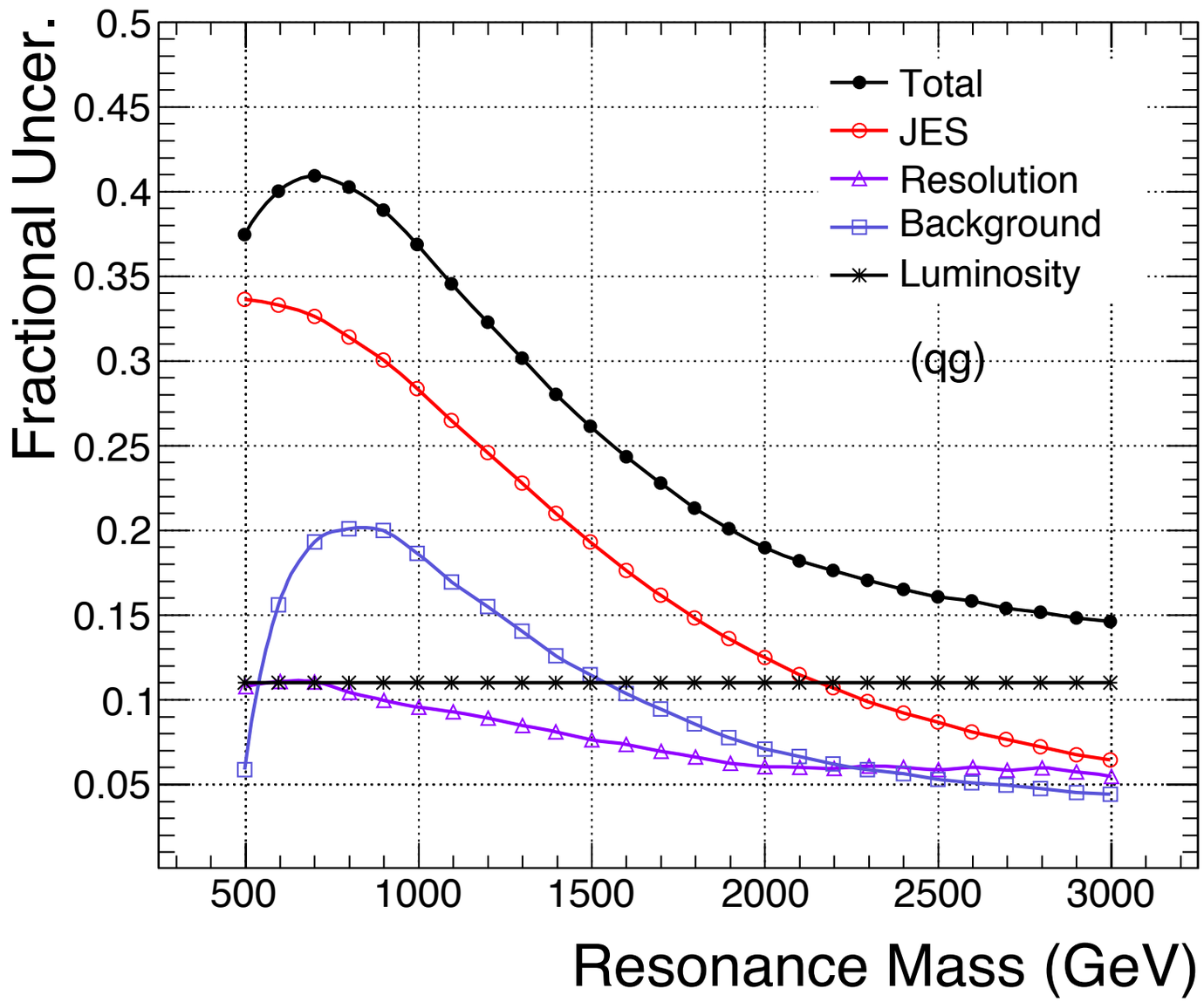
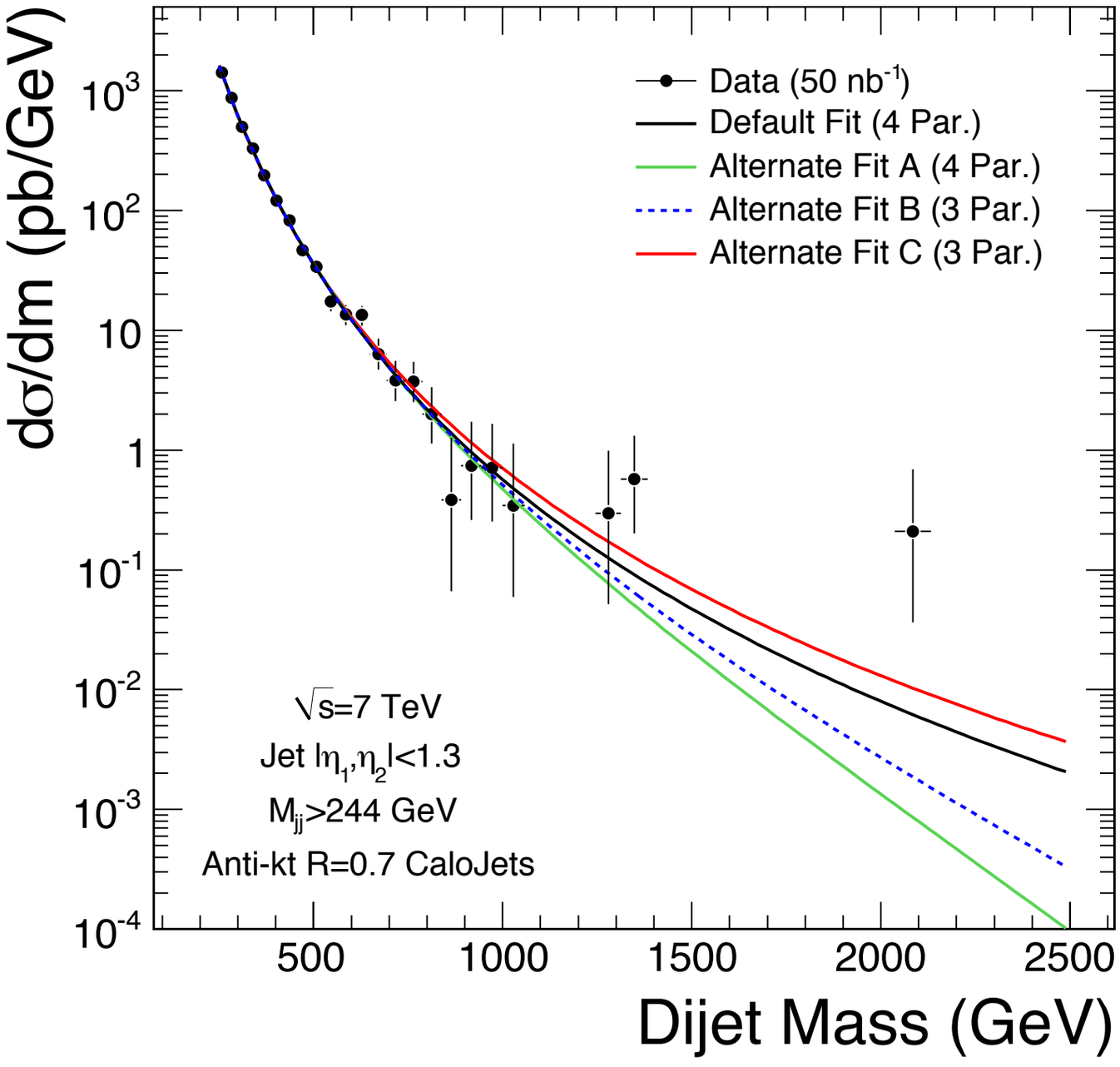
Total Systematic



- Total systematic uncertainty varies from 15% to 41% depending on resonance mass.

Another Fit Parametrization



Default

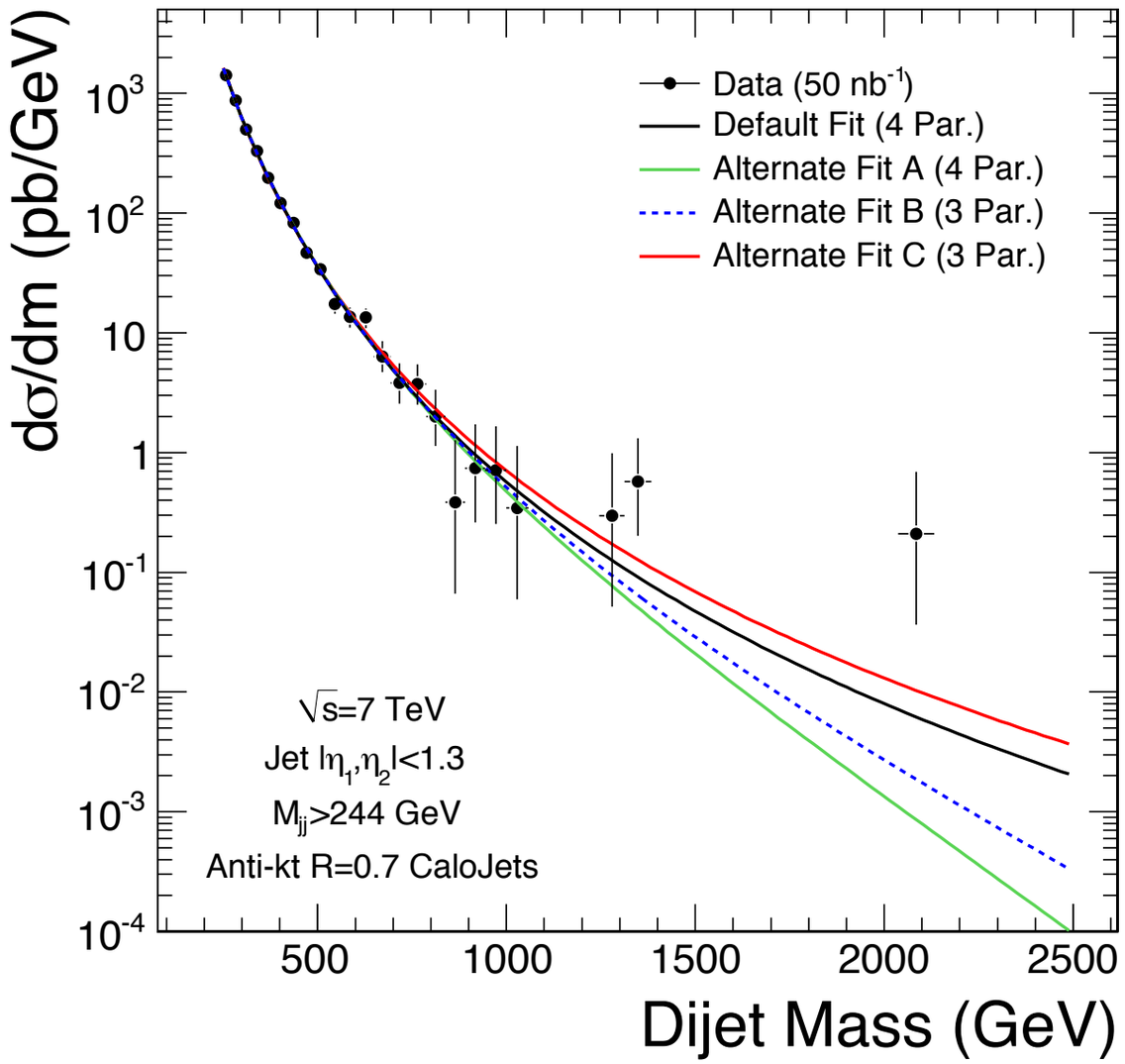
$$\frac{P_0 \cdot \left(1 - m/\sqrt{s} + P_3 \cdot (m/\sqrt{s})^2\right)^{P_1}}{m^{P_2}}$$

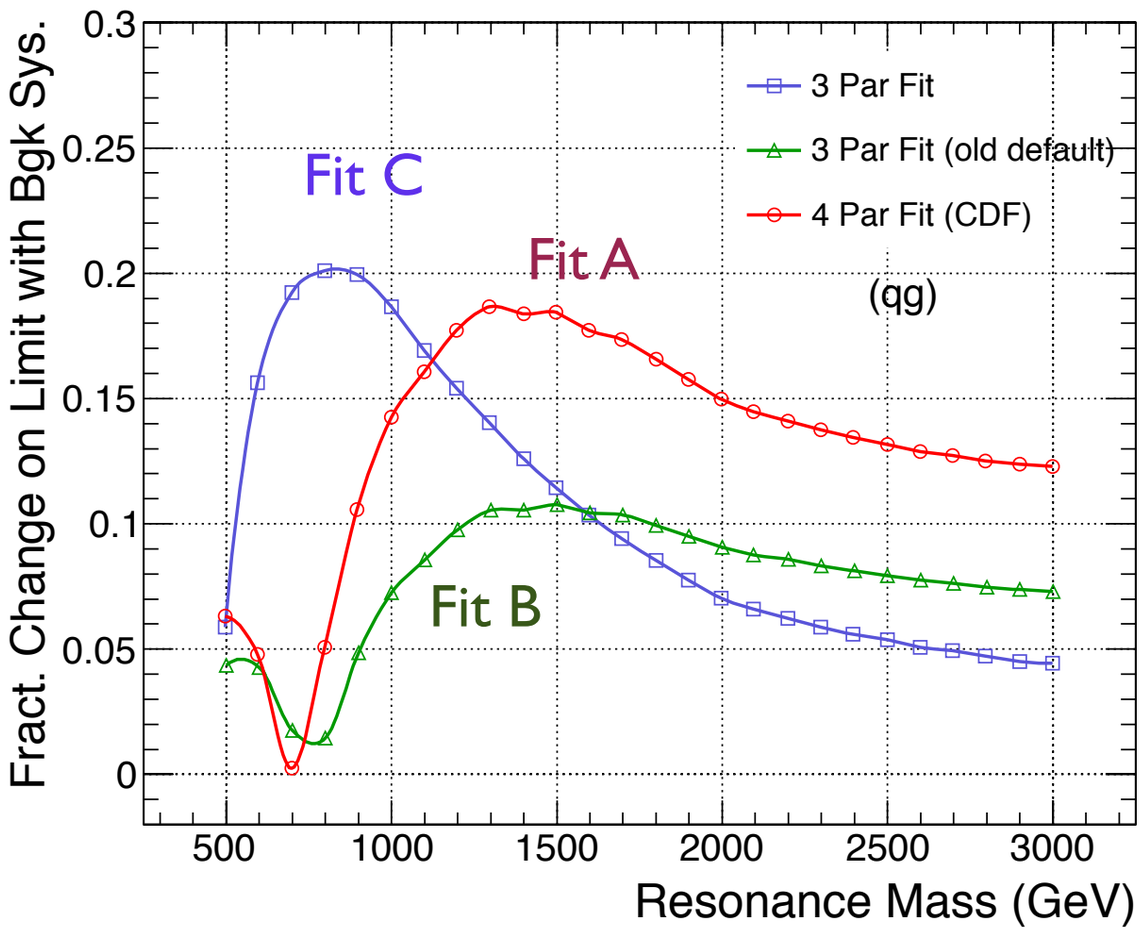
$$\frac{P_0 \cdot (1 - m\sqrt{s})^{p_1}}{(m/\sqrt{s})^{p_2 + p_3 ln(m\sqrt{s})}}$$ A

$$\frac{P_0 \cdot (1 - m/\sqrt{s})^{P_1}}{m^{P_2}},$$ B

$$\frac{P_0}{(P_1 + m)^{P_2}},$$ C

Background Parametrization Systematics





$$\frac{P_0 \cdot (1 - m\sqrt{s})^{p_1}}{(m/\sqrt{s})^{p_2 + p_3 ln(m\sqrt{s})}}$$

A

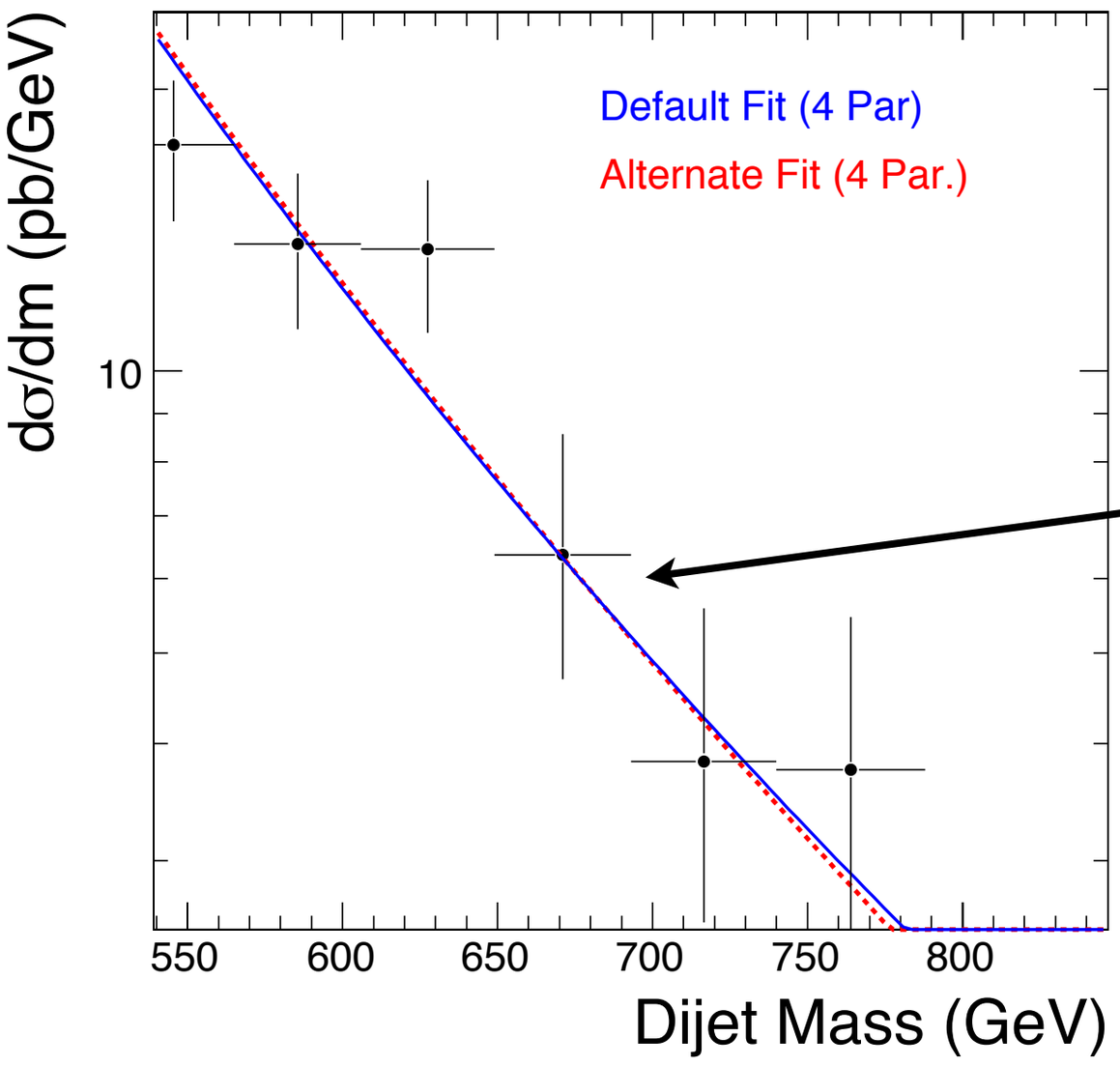
$$\frac{P_0 \cdot (1 - m/\sqrt{s})^{P_1}}{m^{P_2}},$$

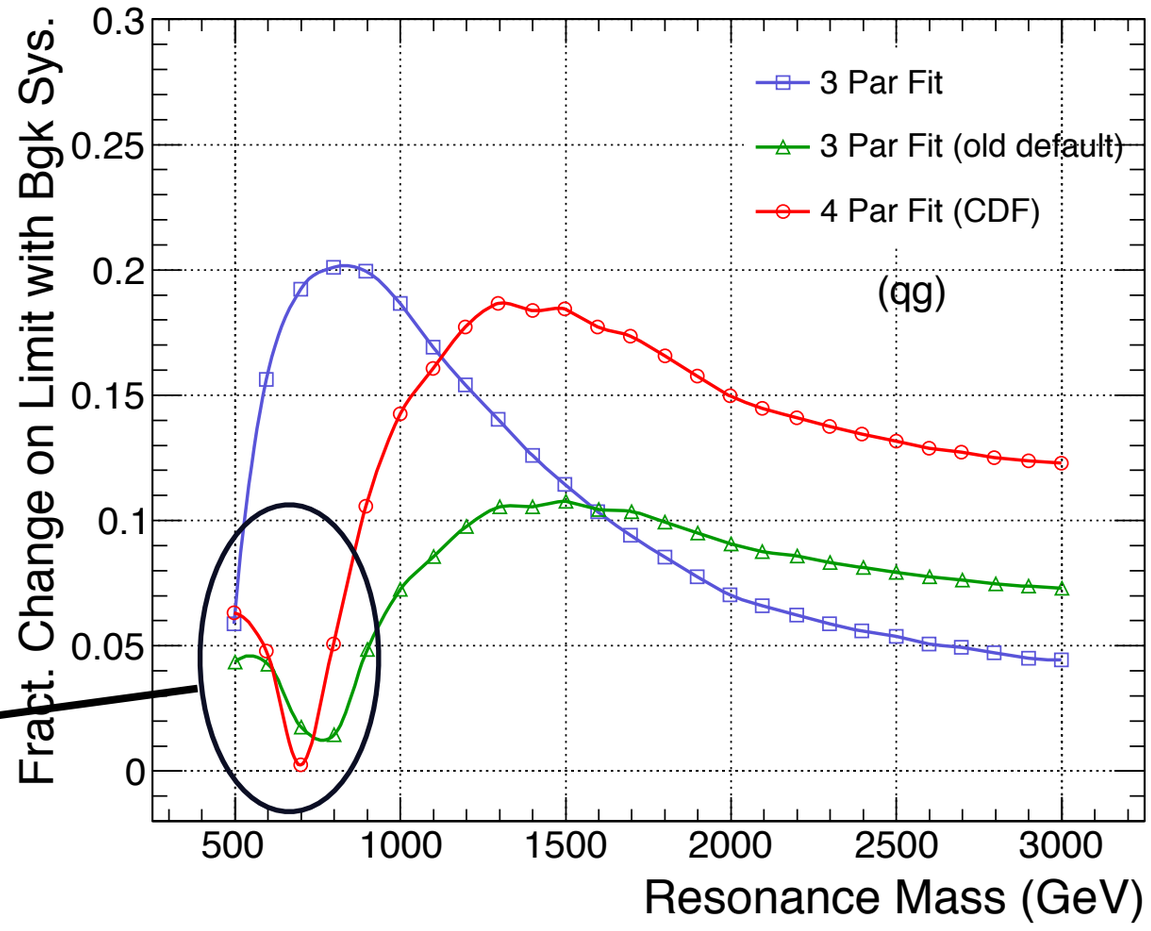
B

$$\frac{P_0}{(P_1 + m)^{P_2}},$$

C

Sertac Ozturk, Exotica Meeting





Alternate 4 Par. Fit is greater than the default fit for M<700 GeV. It causes a drop around 700 GeV.